



## NCDOT Prioritization 3.0 Project Summary

**SPOT ID:** H141092

**Mode:** Highway

**Status:** Submitted

### NC-24, NC-11, NC-241

**From/Cross Street:** NC 24

**Specific Improvement Type:** 6 - Widen Existing Roadway and Construct Part on New Location

**To:** SR 1116 (Jonestown Road)

**Project Category:** Statewide Mobility

**Length:** 15.94

**TIP#:**

**Fully Funded in Draft STIP?** No

**Cost to NCDOT:** \$242,733,000

#### Description:

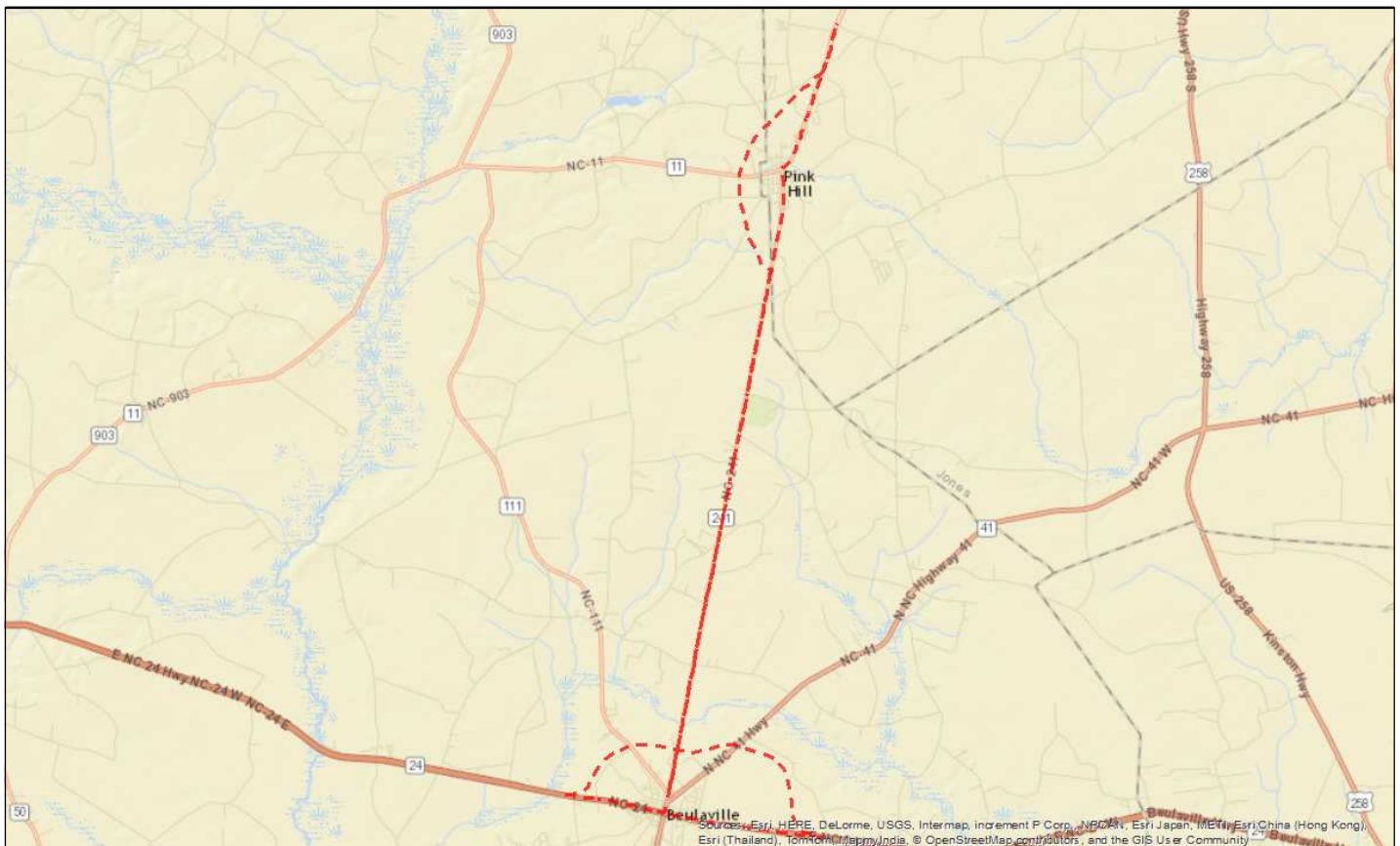
Upgrade existing roadway to freeway with a bypass of Beulaville and Pink Hill

**Division(s):** Division 3, Division 2

**County(s):** DUPLIN, LENOIR

**MPOS(s)/RPO(s):** East Carolina RPO

#### Project Location



**Statewide Mobility Total Score: 10.56**

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (30%) 14.64 Safety (10%) 45.51 Economic Competitiveness (10%) 0.06 Multimodal + [Freight & Military] (20%) 7.82 [Travel Time] Benefit/Cost (30%) 0.15	N/A	N/A
<b>Totals: Weight: 100% Weighted Score: 10.56</b>		

**Regional Impact Total Score: 28.06**

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Safety (25%) 45.51 Multimodal + [Freight & Military] (25%) 7.82 [Travel Time] Benefit/Cost (20%) 0.15	Percent: 15% Points: 0	Percent: 15% Points: 98
<b>Totals: Weight: 70% Weighted Score: 13.36</b>		

**Division Needs Total Score: 37.31**

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (20%) 14.64 Safety (20%) 45.51 Multimodal + [Freight & Military] (10%) 7.82	Percent: 25% Points: 0	Percent: 25% Points: 98
<b>Totals: Weight: 50% Weighted Score: 12.81</b>		

**Project Data \*****Existing Conditions**

Existing Cross-Section:	
Speed Limit:	50
Length (miles):	13.9
Facility Type:	Two Lane Highway
Access Control:	None
Functional Classification:	Major Collector
Terrain Type:	Level
Lane Width:	11
Paved Shoulder Width:	0
Roadway has Curb & Gutter?	No
Volume (AADT):	5939.18
Capacity:	29055.74
Volume/Capacity Ratio:	0.2
% Autos:	91%
% Trucks:	9%
Truck Volume:	541.24
Crash Density:	37.04
Crash Severity:	59.74
Critical Crash Rate:	39.75
Crash Frequency:	0
Severity Index:	0
County Tier Designation:	2
Non-Interstate STRAHNET Route?	Yes
Average Commuting Time:	27
Existing Median Type (for Cost Estimation):	Undivided
Pavement Condition Rating:	80
Actual Congested Speed:	19.11
Travel Time Index:	2.88

**Project Benefits**

Project Cross-Section:	4A - 4 Lane Divided (46' Depressed Median) with Paved Shoulders
Speed Limit:	65
Length (miles):	15.94
Facility Type:	Freeway
Access Control:	Full
Functional Classification:	Other Principal Arterial
Terrain Type:	Level
DOT Design Lane Width:	12
DOT Design Paved Shoulder Width:	2
Travel Time Savings for 30 Years (Total):	1644290.94
Travel Time Savings for 30 Years (Autos):	1494446.51
Travel Time Savings for 30 Years (Trucks):	149844.43
Long-Term Employment:	0
% Change in Economy:	1.14E-06
Provides Direct Connection to Transportation Terminal?	No
Does project upgrade how the roadway functions?	Yes
In CTP or LRTP?	No
CTP/LRTP Name:	
CTP/LRTP Completion Year:	
Submitted by:	East Carolina RPO

\* Data reflects calculations which include weighted averages (where applicable) and represent raw output from the Department's SPOT On!line tool and associated databases.

**Project Ownership****Division**

<b>Division</b>	<b>Percent</b>	<b>Regional Impact</b>	<b>Division Needs</b>
Division 3	88%	0	0
Division 2	12%	0	0
	0%	0	0
<b>TOTAL Division Points</b>		<b>0</b>	<b>0</b>

**MPO/RPO**

<b>MPO/RPO</b>	<b>Percent</b>	<b>Regional Impact</b>	<b>Division Needs</b>
East Carolina RPO	100%	98	98
	0%	0	0
	0%	0	0
<b>TOTAL MPO/RPO Points</b>		<b>98</b>	<b>98</b>

**Project Cost and Source**

Construction Cost:	\$186,137,000	Cost Estimation Tool
Right-of-Way Cost:	\$50,532,000	Cost Estimation Tool
Utilities Cost:	\$6,064,000	Cost Estimation Tool
Total Project Cost:	\$242,733,000	
Other Funding:	\$0	None
<b>Cost to NCDOT :</b>	<b>\$242,733,000</b>	